

09588660

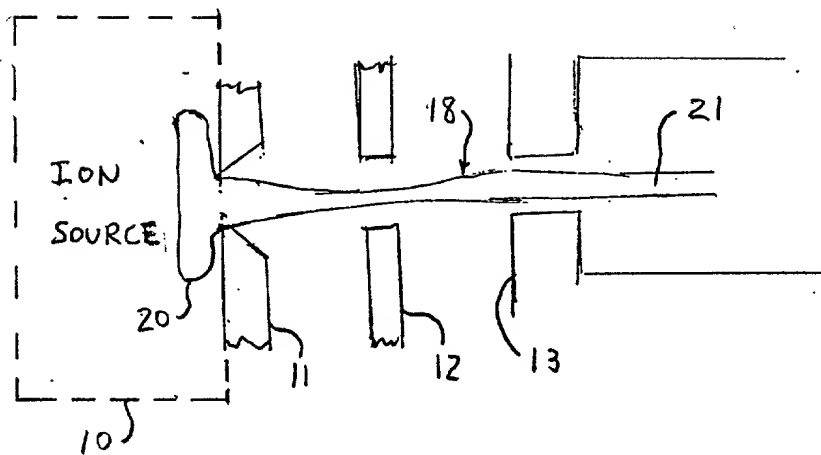


FIG. 1A
PRIOR ART

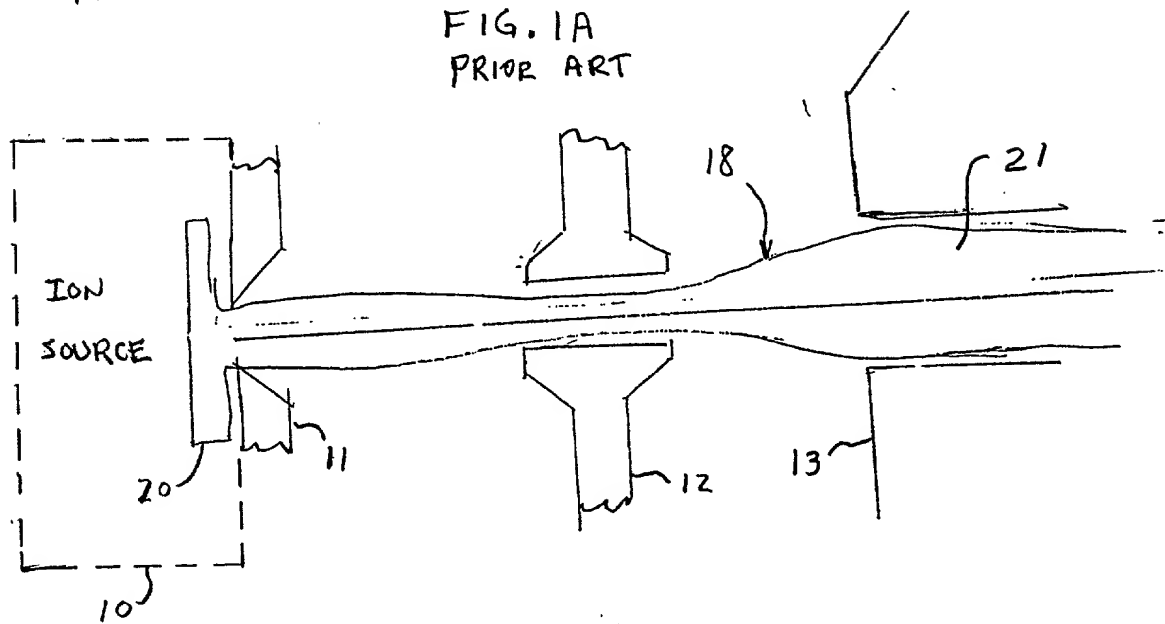


FIG. 1B
PRIOR ART

0998555-12001

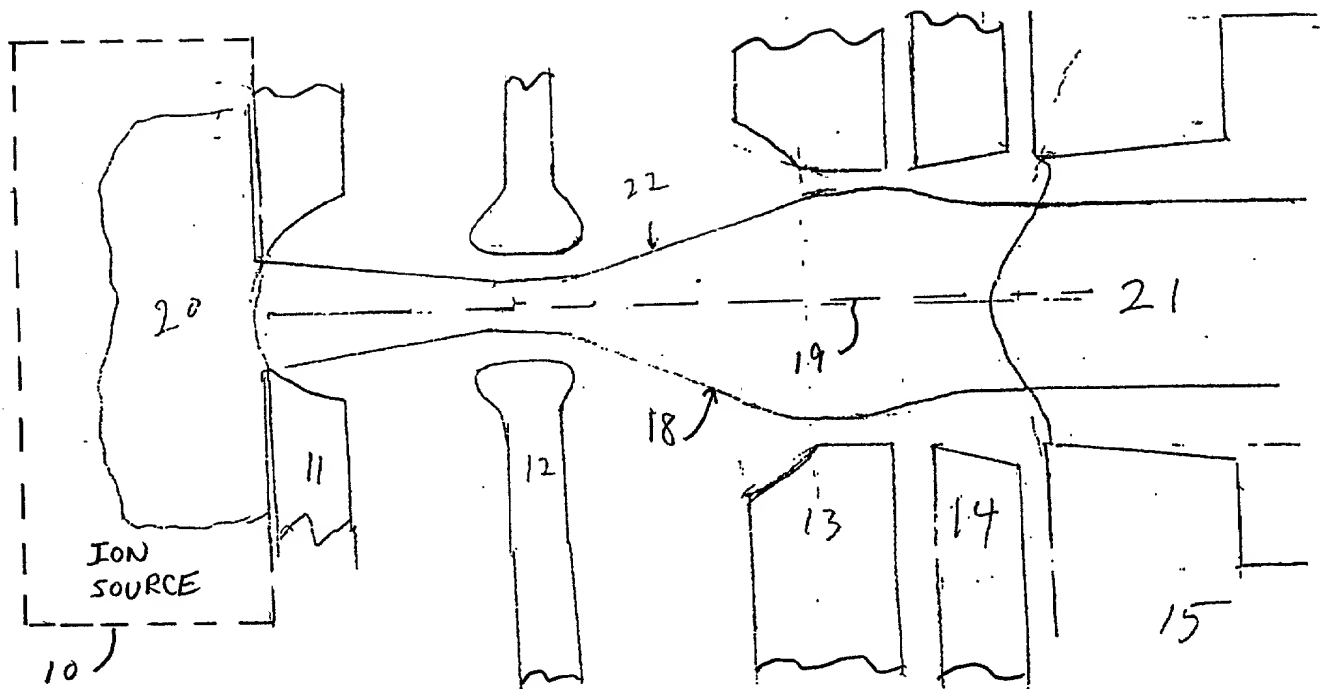


FIG. 2

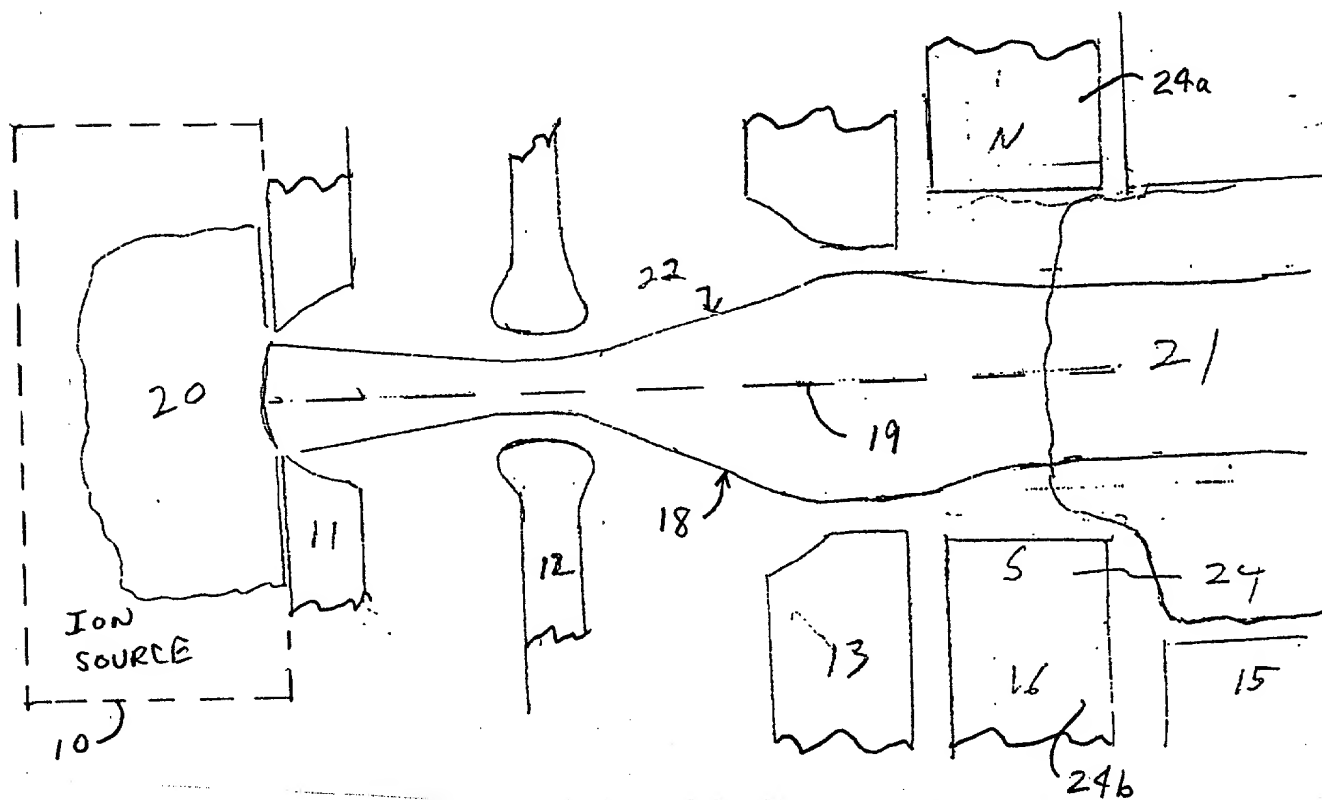


FIG. 3

TRAJECTORIES AND EQUIPOTENTIALS/4

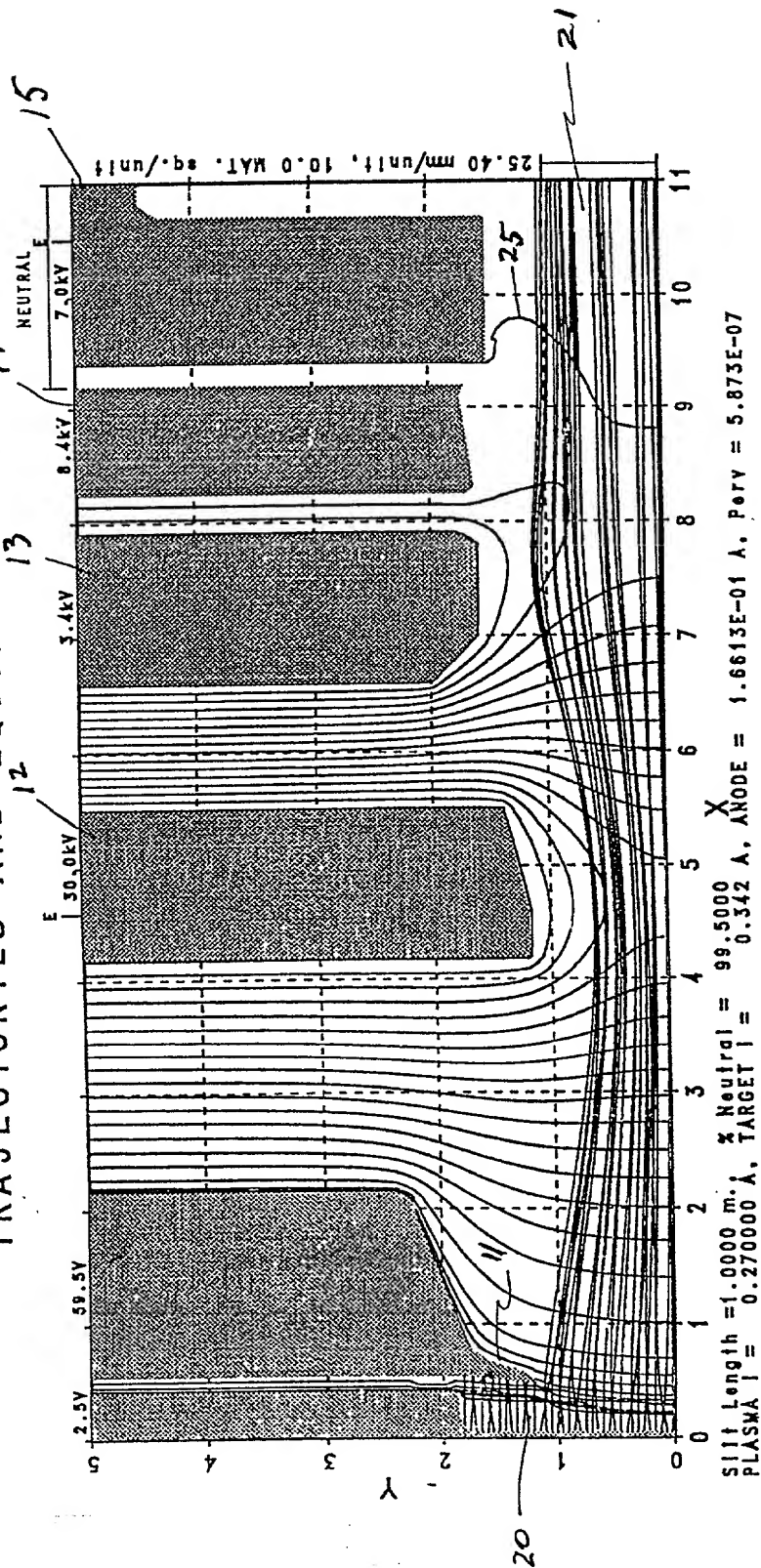
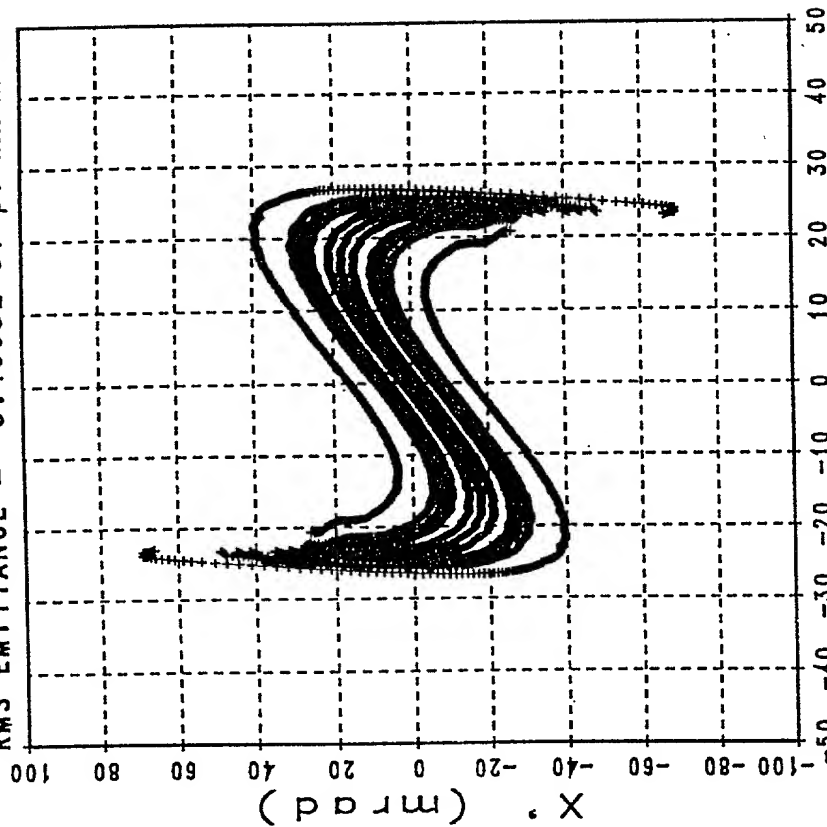


FIG. 4A

EMITTANCE PLOT

RMS EMITTANCE = $3.4663E-01 \text{ pi} \cdot \text{mm} \cdot \text{mrad}$

Alpha
-0.244193
Beta - mm/mrad
1.036728
Gamma - mrad/mm
1.022091
Beam Current - A
0.171111



No. of Rays = 5760; at Matrix No. = 106
BRIGHTNESS = 288.591
BEAM SLOPE = 0.000 mrad, OFFSET = 0.0000 mm

FIG. 4B

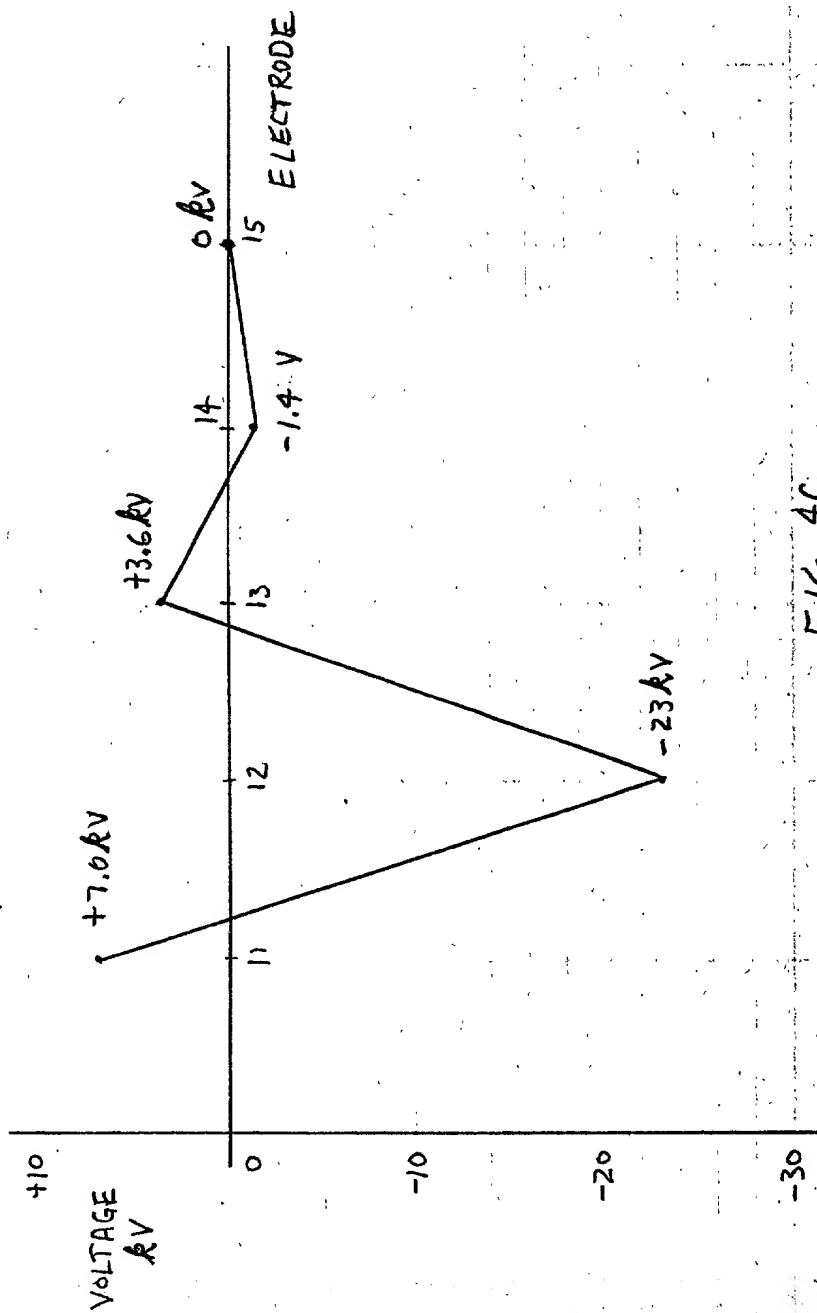


FIG. 4C

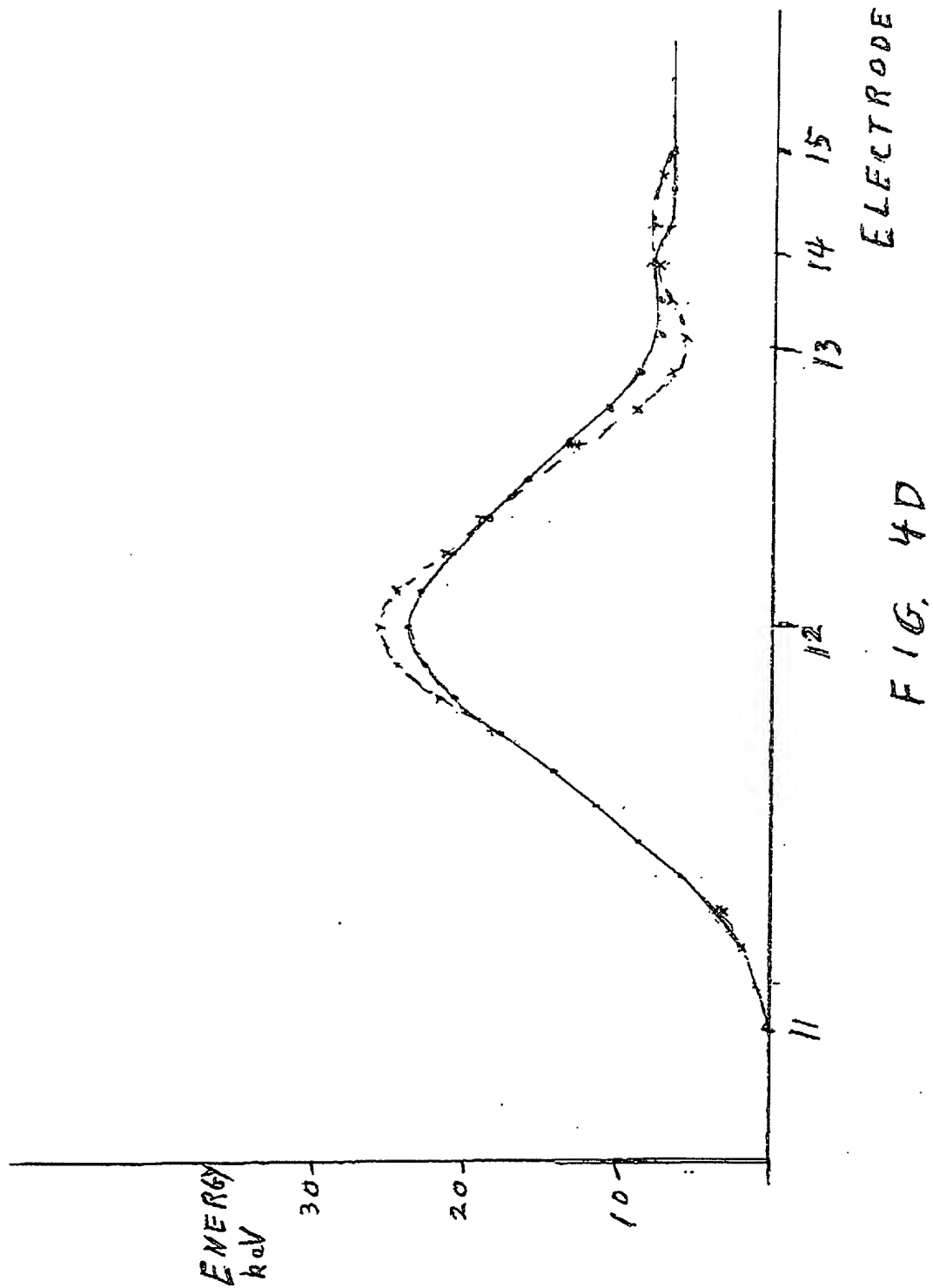


FIG. 4D

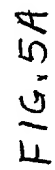
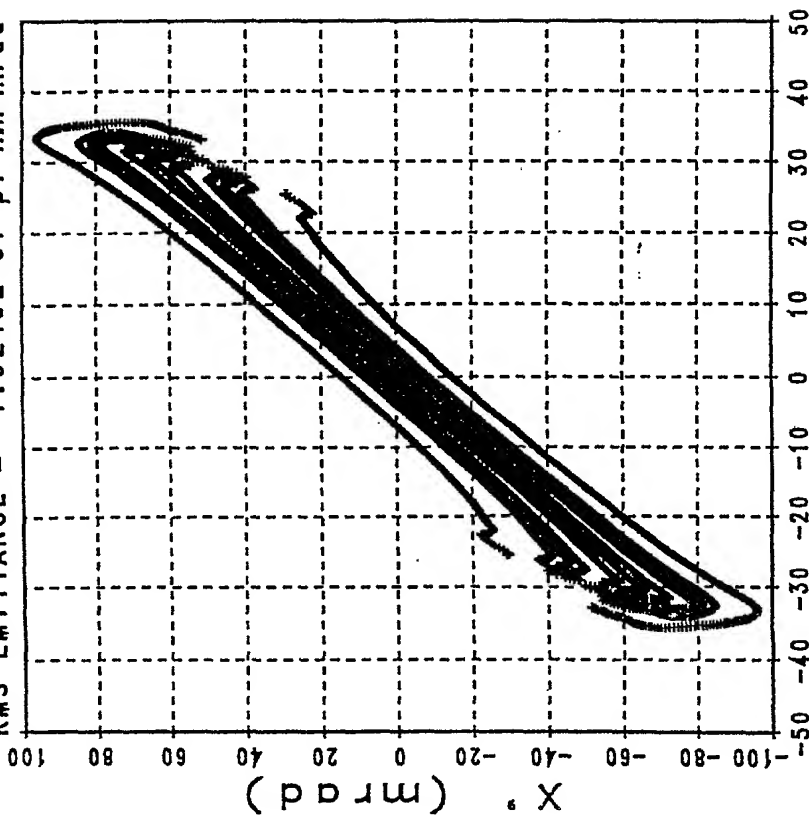


FIG. 5A

EMITTANCE PLOT

RMS EMITTANCE = 1.9249×10^{-1} $\pi \cdot \text{mm} \cdot \text{mrad}$



Alpha -5.737340
 Beta - mm/mrad
 2.700052
 Gamma - mrad/mm
 12.561638
 Beam Current- A
 0.171111

No. of Rays = 5760, at Matrix No. = 106
 BRIGHTNESS = 935.852
 BEAM SLOPE = 0.000 mrad, OFFSET = 0.0000 mm

FIG. 5B

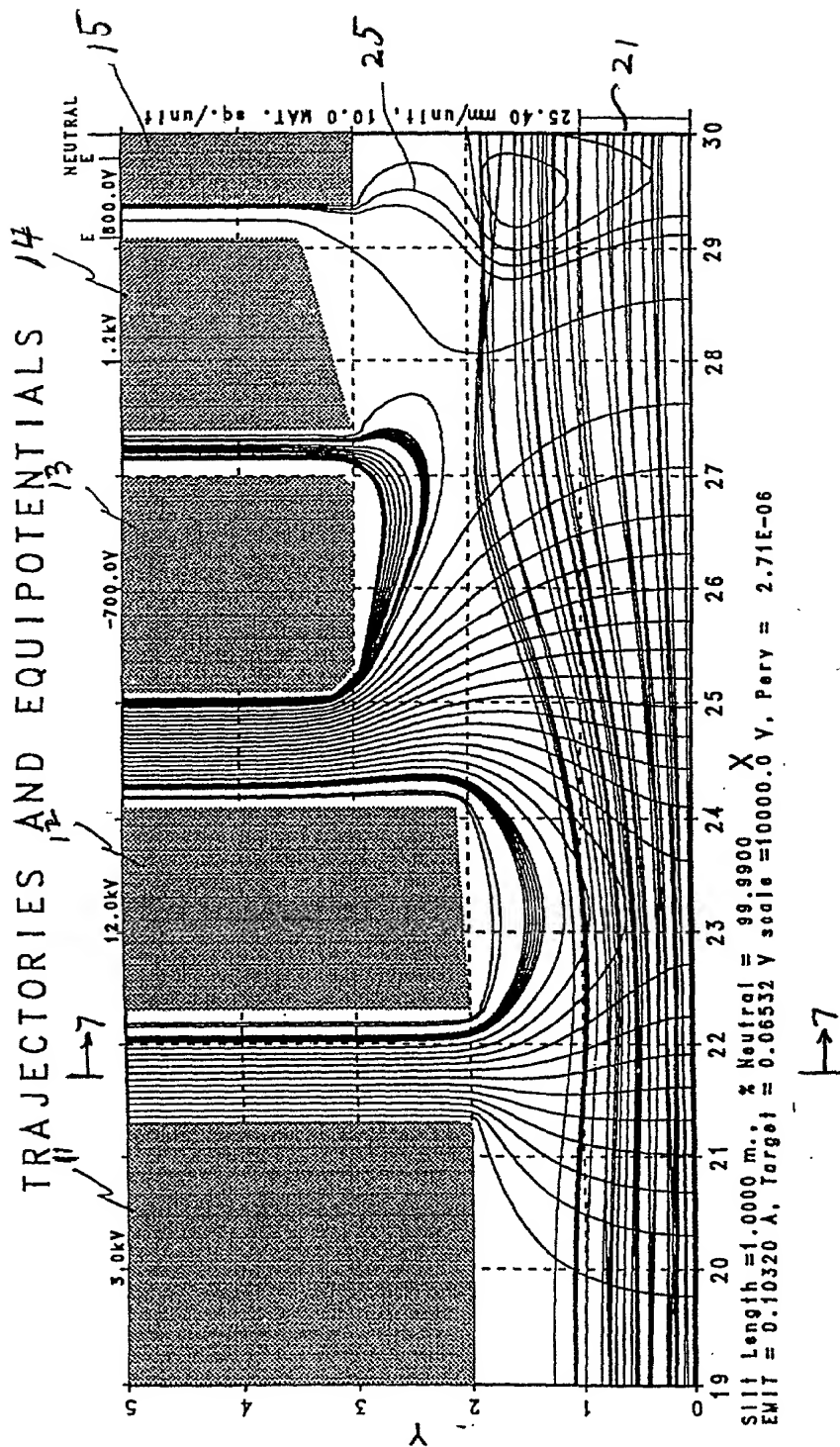
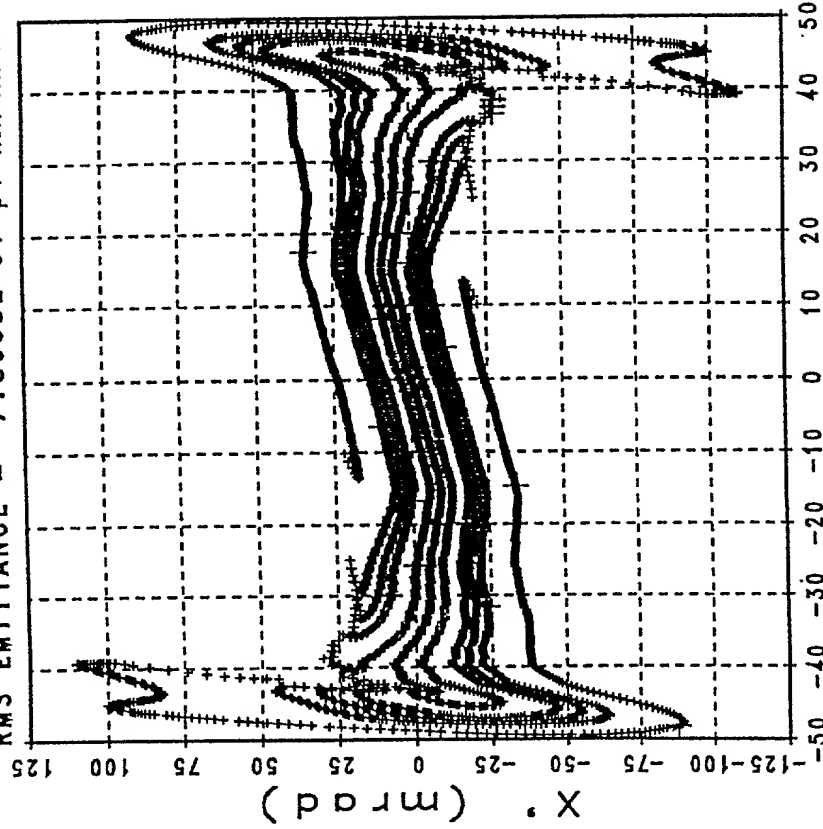


FIG. 6A

EMITTANCE PLOT

RMS EMITTANCE = 7.8068E-01 $\mu\text{m}\cdot\text{mrad}$



Alpha
-0.010949
Beta - mm/mrad
1.164102
Gamma - mrad/mm
0.859134
Beam Current - A
0.032659

No. of Rays = 5765, at Matrix No. = 102
BRIGHTNESS = 10.859
BEAM SLOPE = 0.000 mrad, OFFSET = 0.0000 mm

FIG. 6B

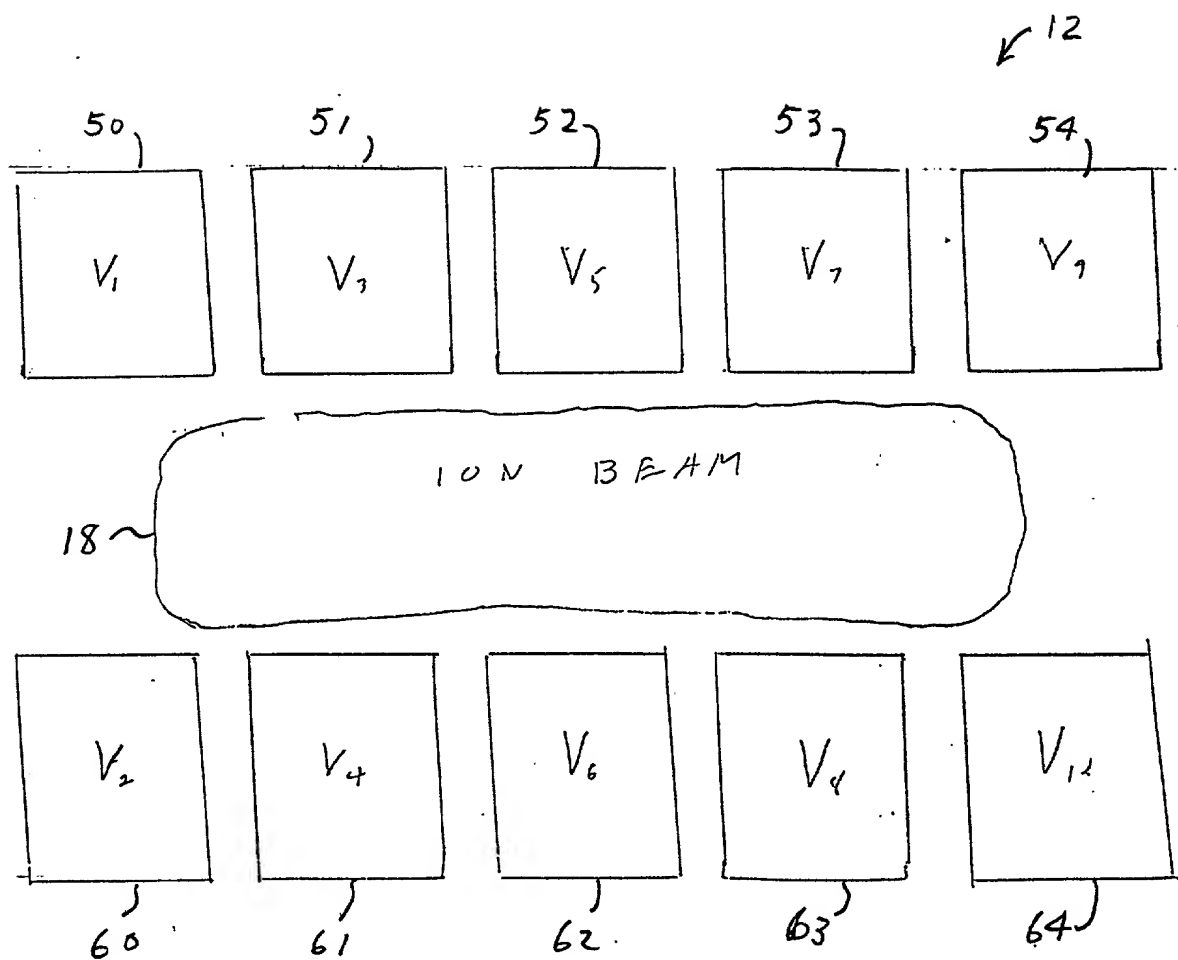


FIG. 7